

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,732,589 B2  
APPLICATION NO. : 10/500586  
DATED : June 8, 2010  
INVENTOR(S) : Kim et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1,

Line 11, "filed of Jan. 21, 2003" should read --filed on Jan. 21, 2003--;

Line 57, "cause" should read --causes--.

Column 4,

Line 50, "5'-ATCGCCMGGAGATCGAGCT-3'" should read

--5'-ATCGCCAAGGAGATCGAGCT-3'--;

Line 52, "5'-MGGTGCCGCGGATCTTGTT-3'" should read

--5'-AAGGTGCCGCGGATCTTGTT-3'--.

Column 14,

Lines 9 and 10, "100 A phenol:chloroform:isopropylalcohol" should read

--100  $\mu$ l phenol:chloroform:isopropylalcohol--;

Line 31, "623-bp" should read --1623-bp--.

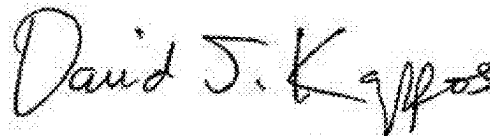
Column 16,

Line 15, cancel "is".

Column 64,

Line 14, "*M mahnoense*" should read --*M. malmoeense*--.

Signed and Sealed this  
Twenty-fifth Day of January, 2011

A handwritten signature in black ink, reading "David J. Kappos". The signature is written in a cursive, flowing style with a large initial "D".

David J. Kappos  
Director of the United States Patent and Trademark Office